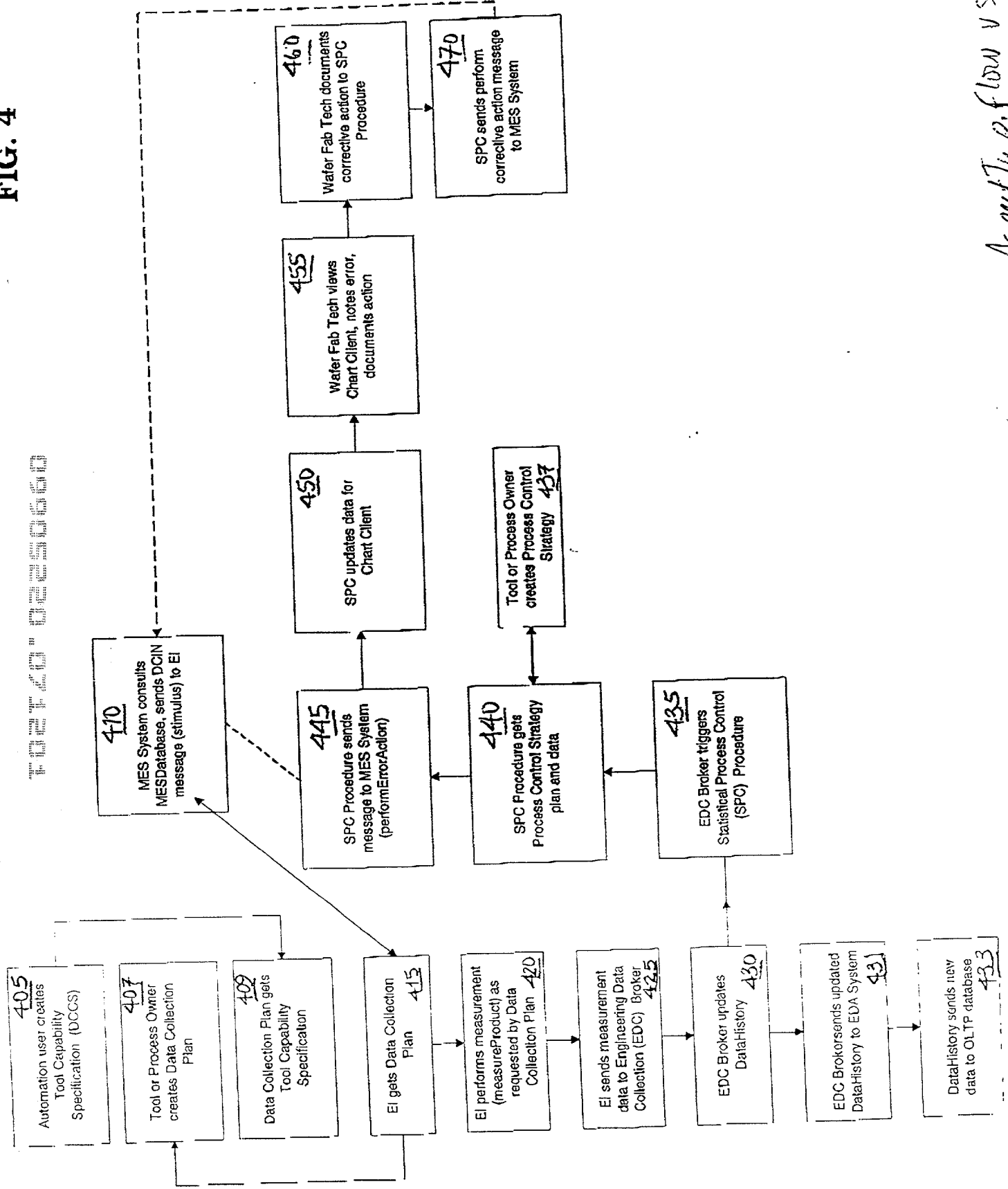
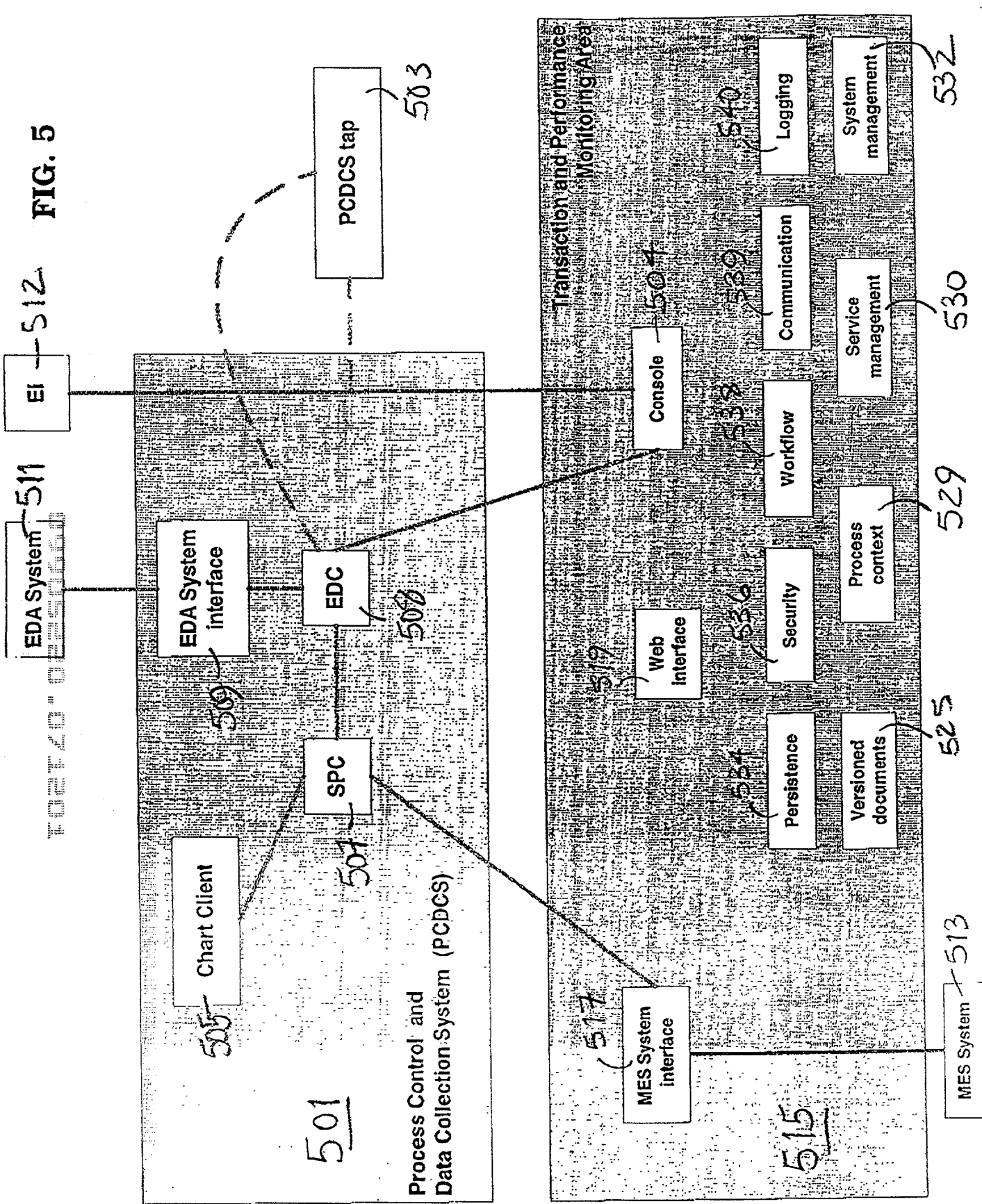


UML Collaboration, da

FIG. 4

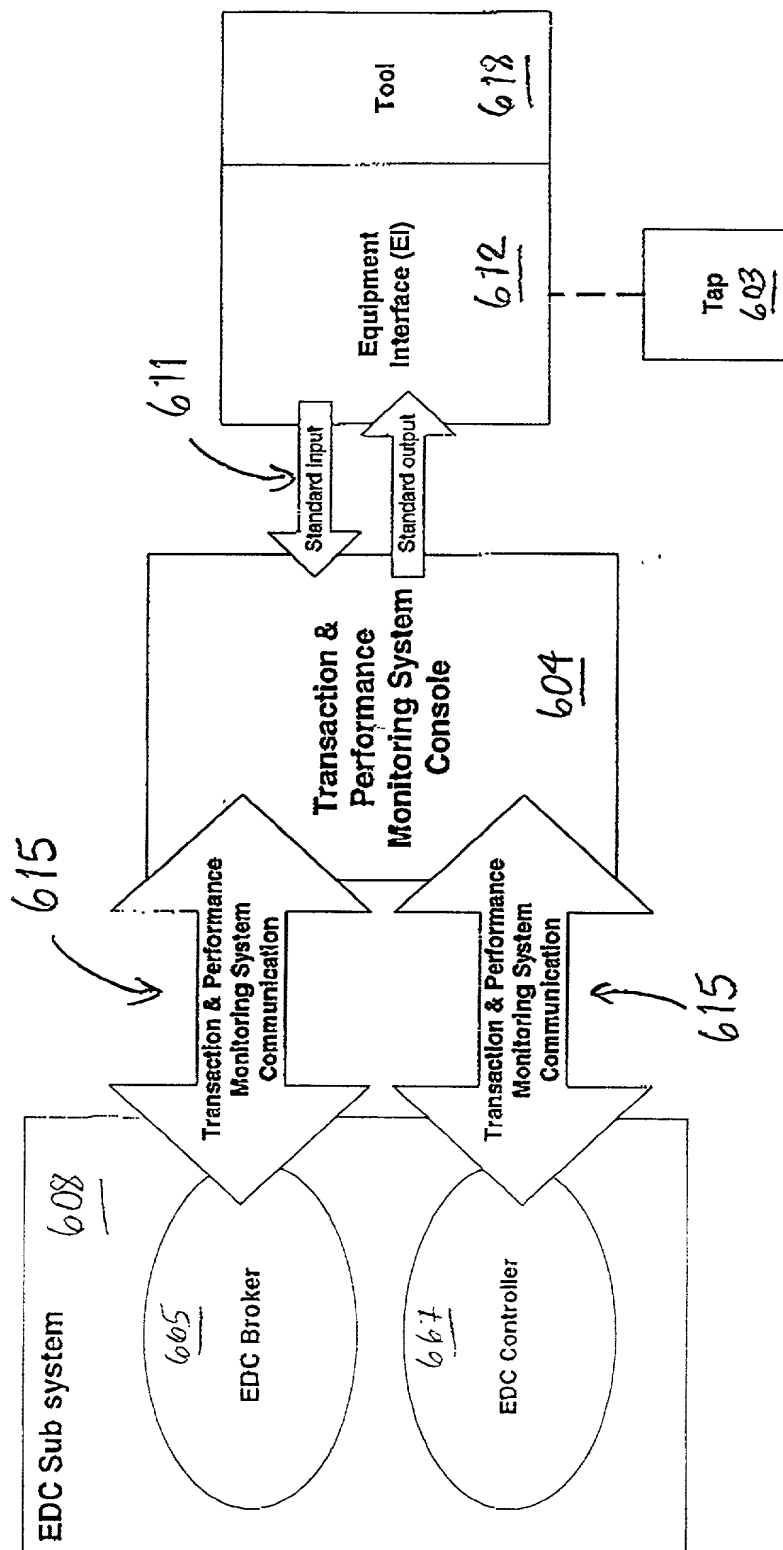


Aspect 7, p. flow v5d.



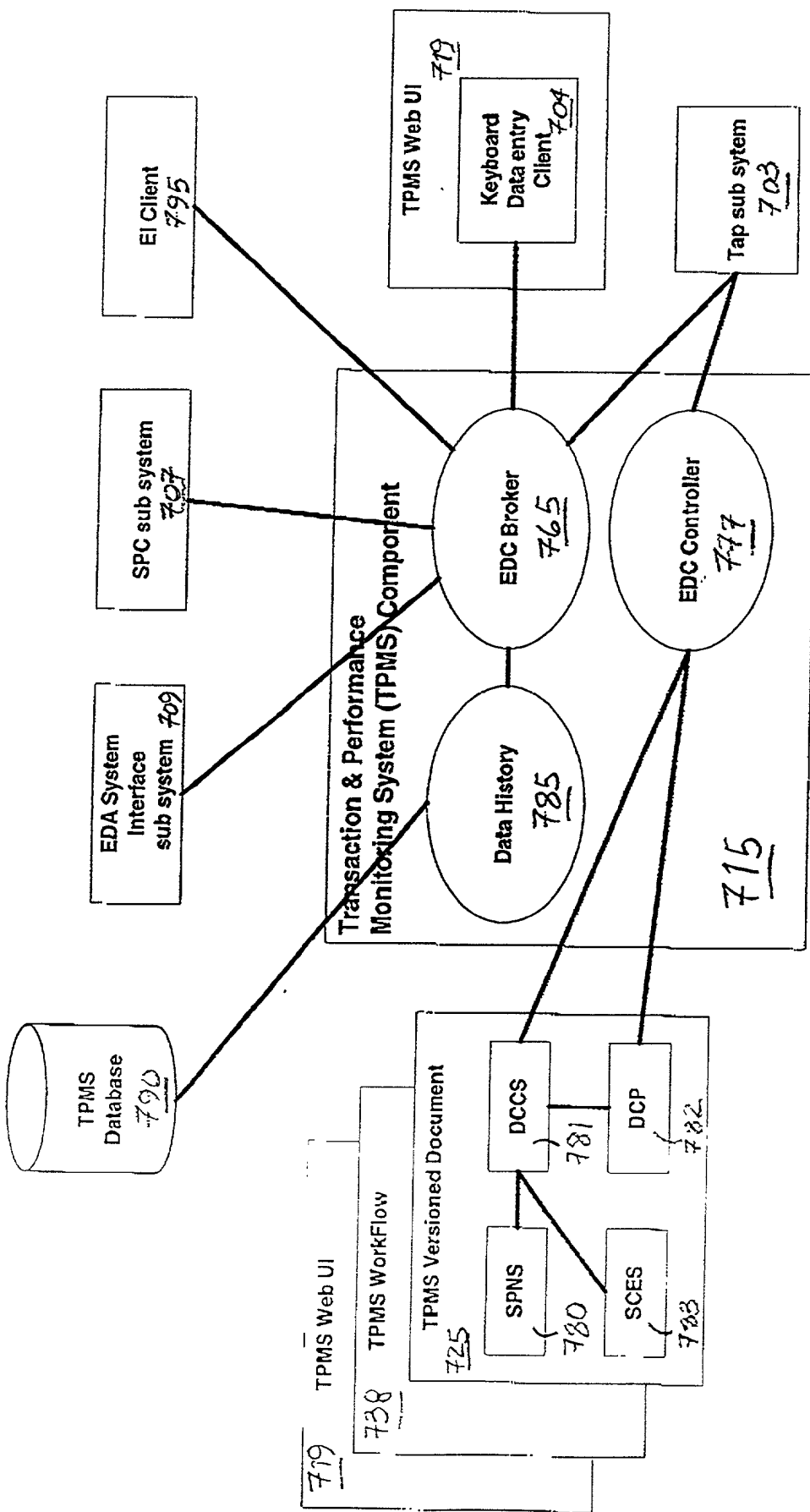
20148 98164

FIG. 6



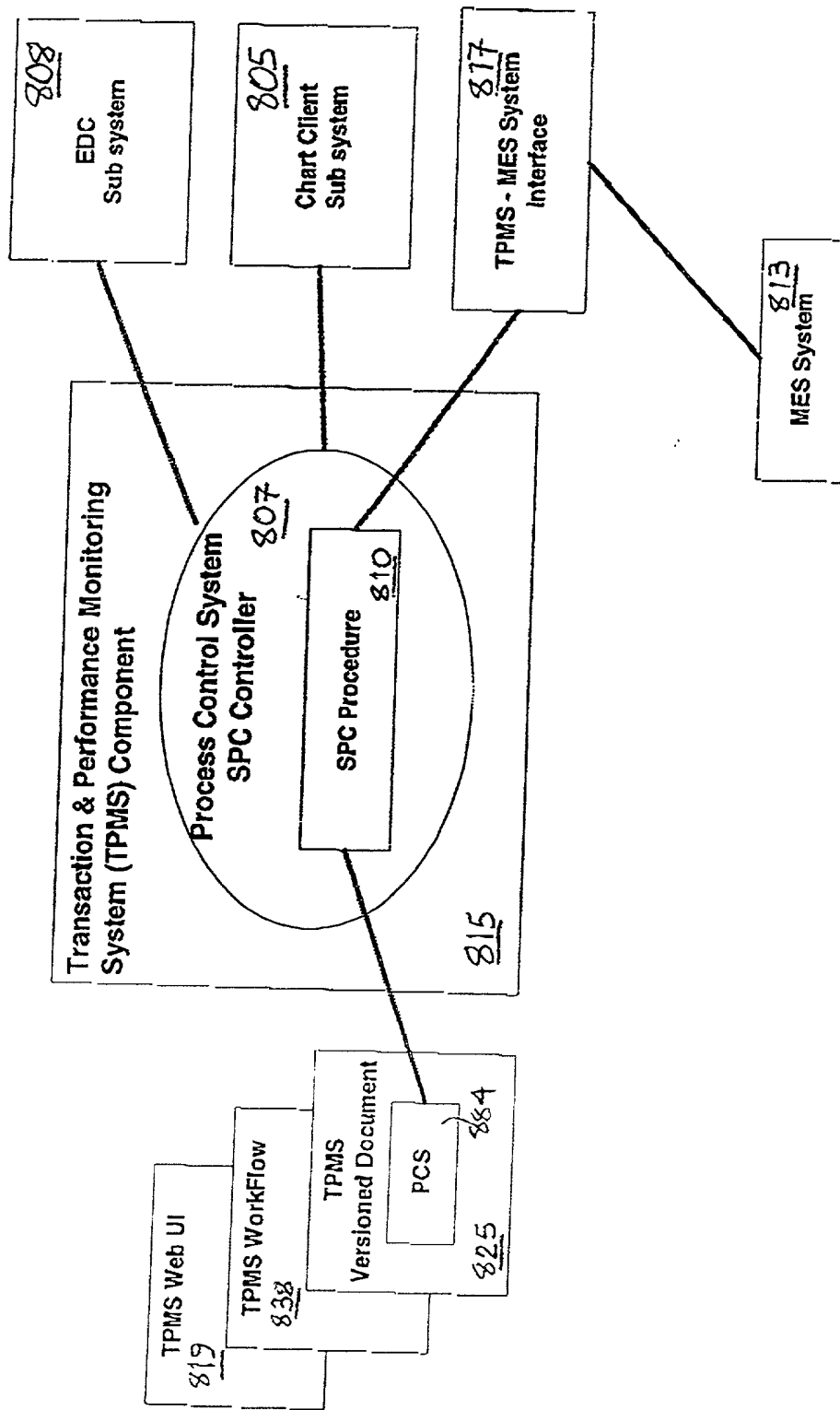
Amended

FIG. 7

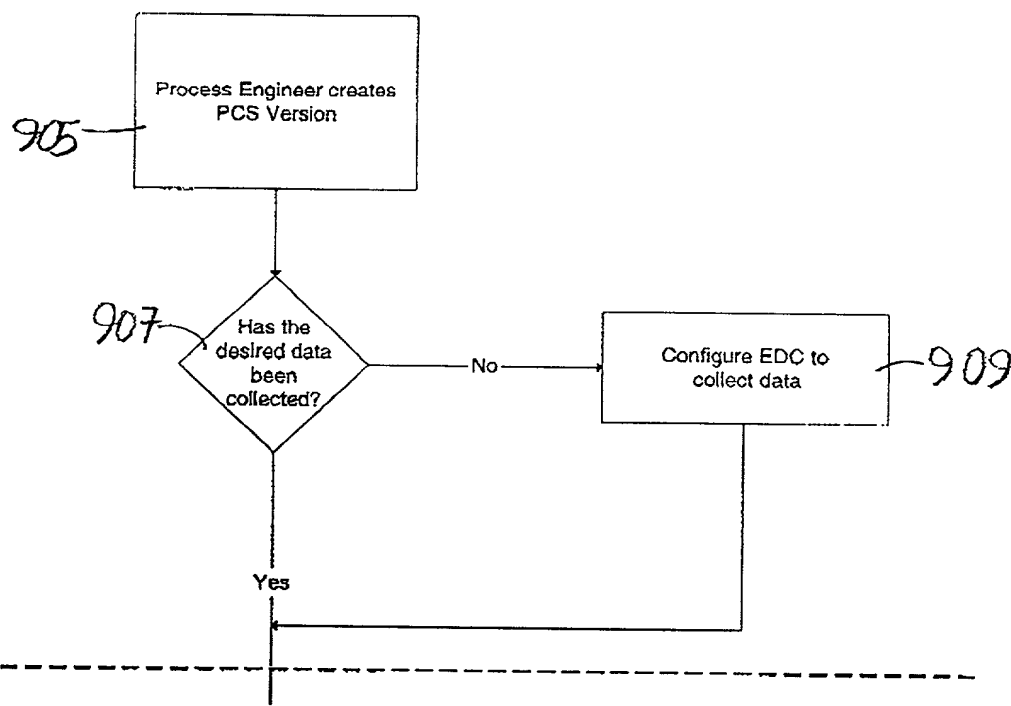


ssysedcvd

FIG. 8



Setup Phase



Execution Phase

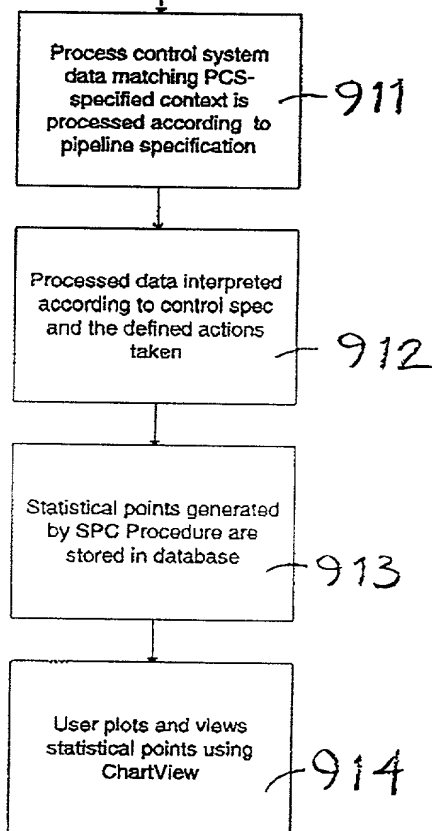


FIG. 9

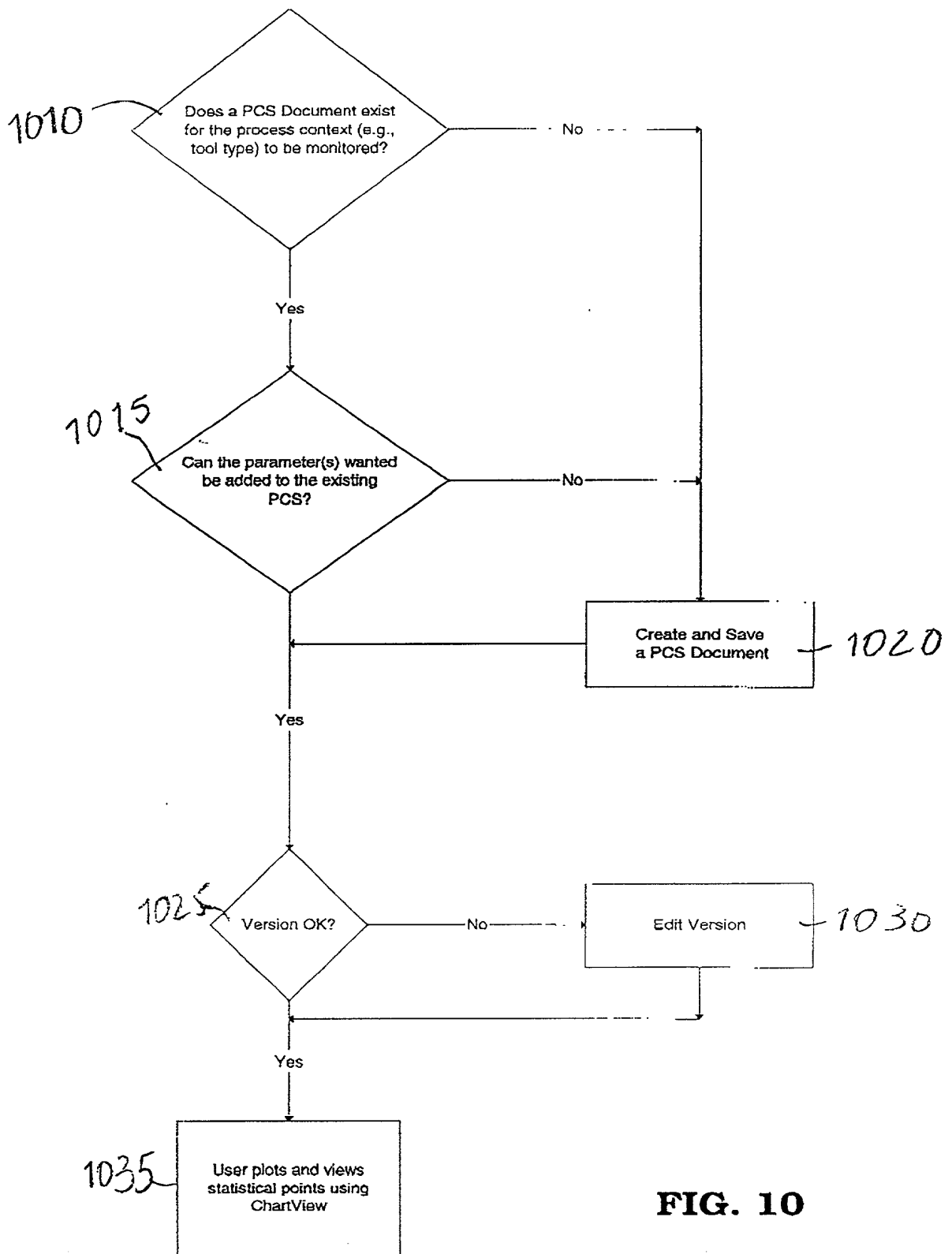
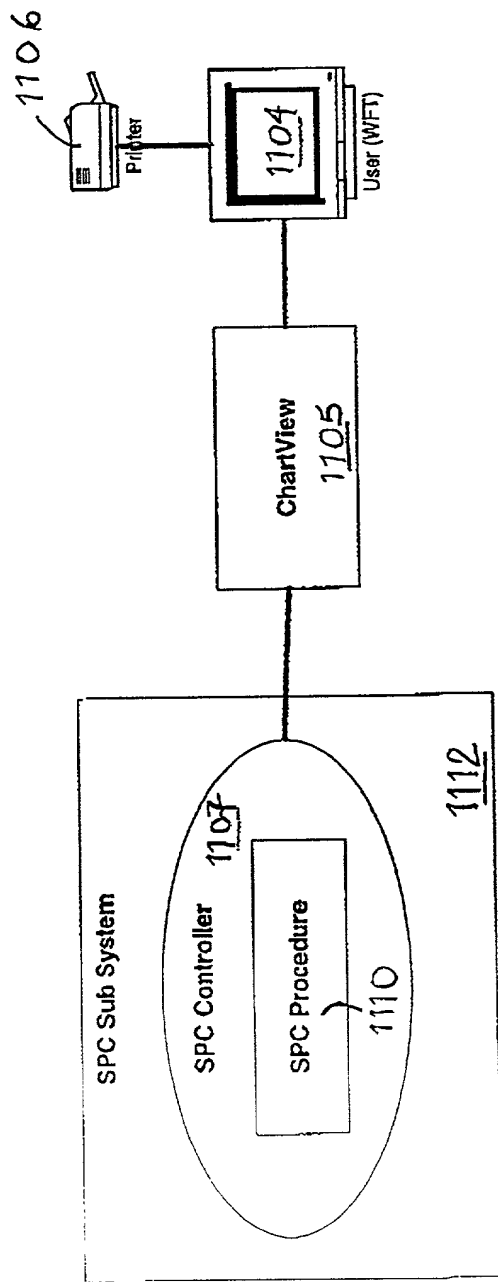


FIG. 10

PCSProcessOverview.vsd

FIG. 11



2

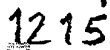


FIG. 12

1360



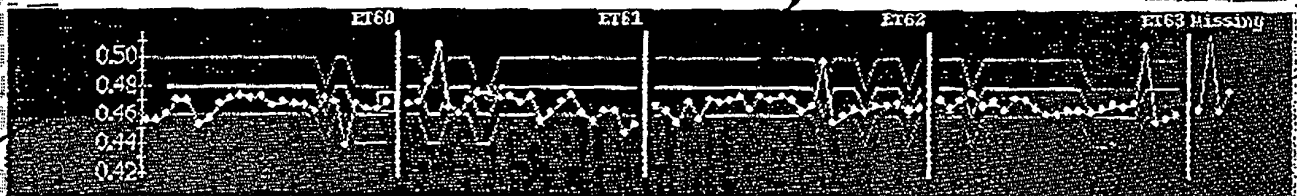
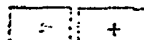
1310

X Rick Patty: Multilayer Normalized PCS by Group: ext: 54308, mailto:Rick.Patty@amd.com: Testing PCS for Metal 4 and ...

File Analysis

Clip: Mean FICD (Non-Normalized) - 1314

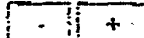
1325



Clip: STDDev FICD (Non-Normalized) - 1315

1325

1330



Clip: Normalized FICD (Normalized) - 1316

1325

1330



1320

1330

FIG 13

OK

```
graph TD; 1410[Normalize X with its own mean, A, and standard deviation, B] --> 1420[Let Z be another random variable with its own mean, C, and standard deviation, B (target recipe)]; 1420 --> 1430[Apply Transform Y = [(X-A)/B] D+C]; 1430 --> 1440[Denormalize X using mean and standard deviation of Z (target recipe)]; 1440 --> 1450[Plot Y and Z together with chart client];
```

1410 Normalize X with its own mean, A, and standard deviation, B

1420 Let Z be another random variable with its own mean, C, and standard deviation, B (target recipe)

1430 Apply Transform $Y = [(X-A)/B] D+C$

1440 Denormalize X using mean and standard deviation of Z (target recipe)

1450 Plot Y and Z together with chart client

De norm frou, US

00005220 01201

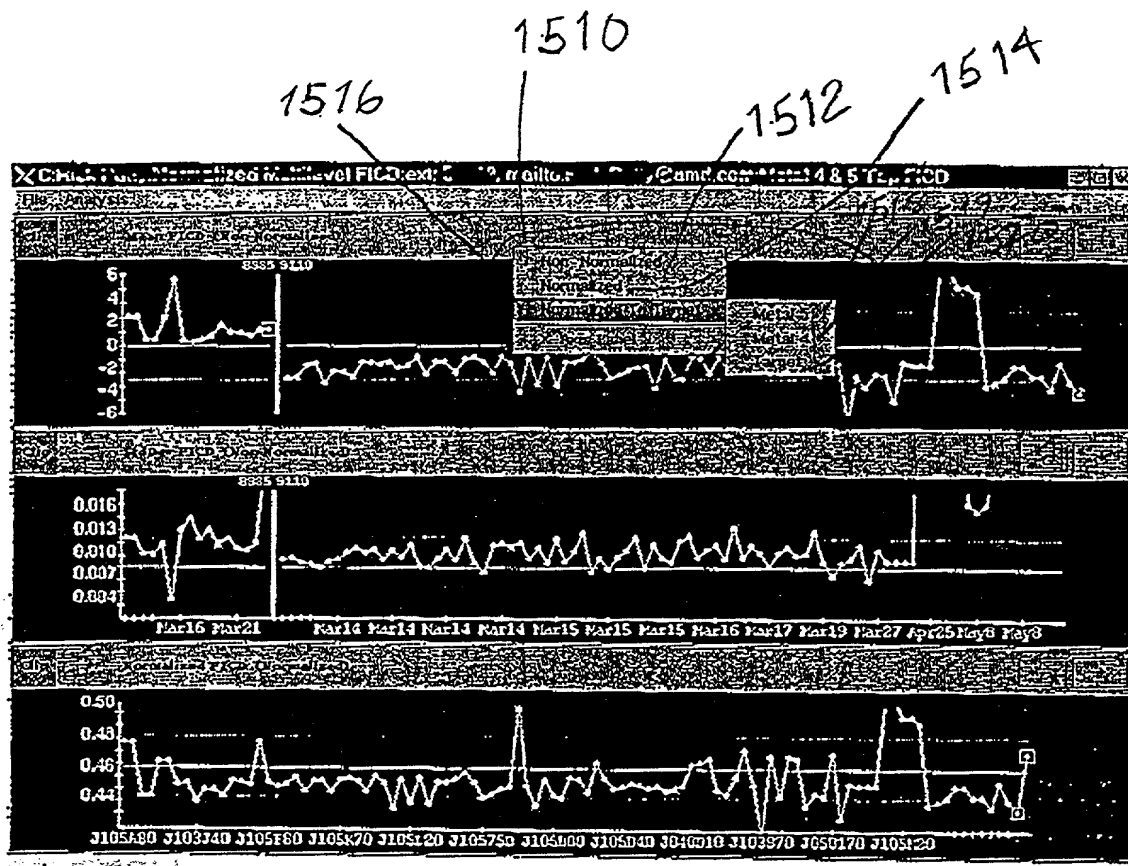


FIG. 15

-1605

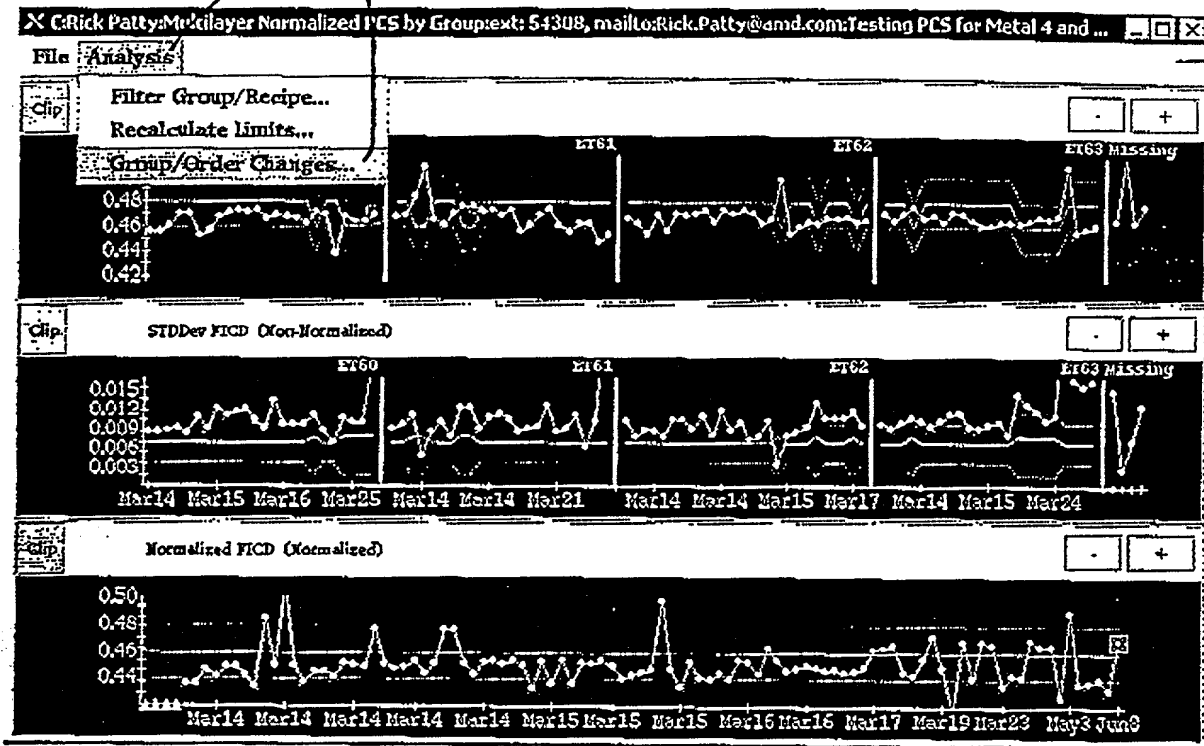


FIG. 16

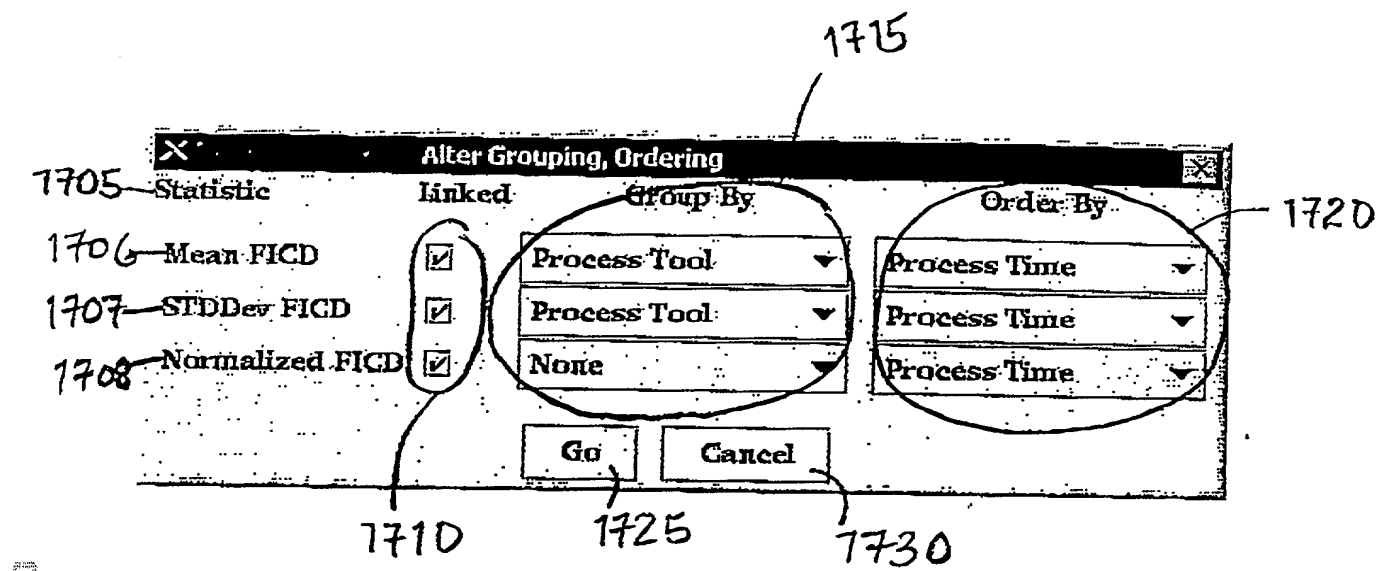


FIG. 17

1810

GraphPoint Detail Window

General Information

General

Value: 0.524400

UCL: 0.5

Target: 0.48

LCL: 0.46

PCS Recipe: Metal 5

RunId: 106537

OOC Violation: One Out Above[WE Control Rules]

Attribute	Value
Lot	J105M20
Operation	9110
Product	6308AC
Measurement Time	2001-04-25 13:32:04
Opal	CD12
Batch	

1812

Out-Of-Control Actions

1825

1830

1835

Action	Correct	Message
SHUTDOWN TOOL	BRING BACK TOOL	
HOLD LOT	RELEASE LOT	
EMAIL		

1814

Annotation History

Time	Creator	Annotation

1820

Add 1821

Done

FIG. 18

1800 ↗

090520-0730
02250660

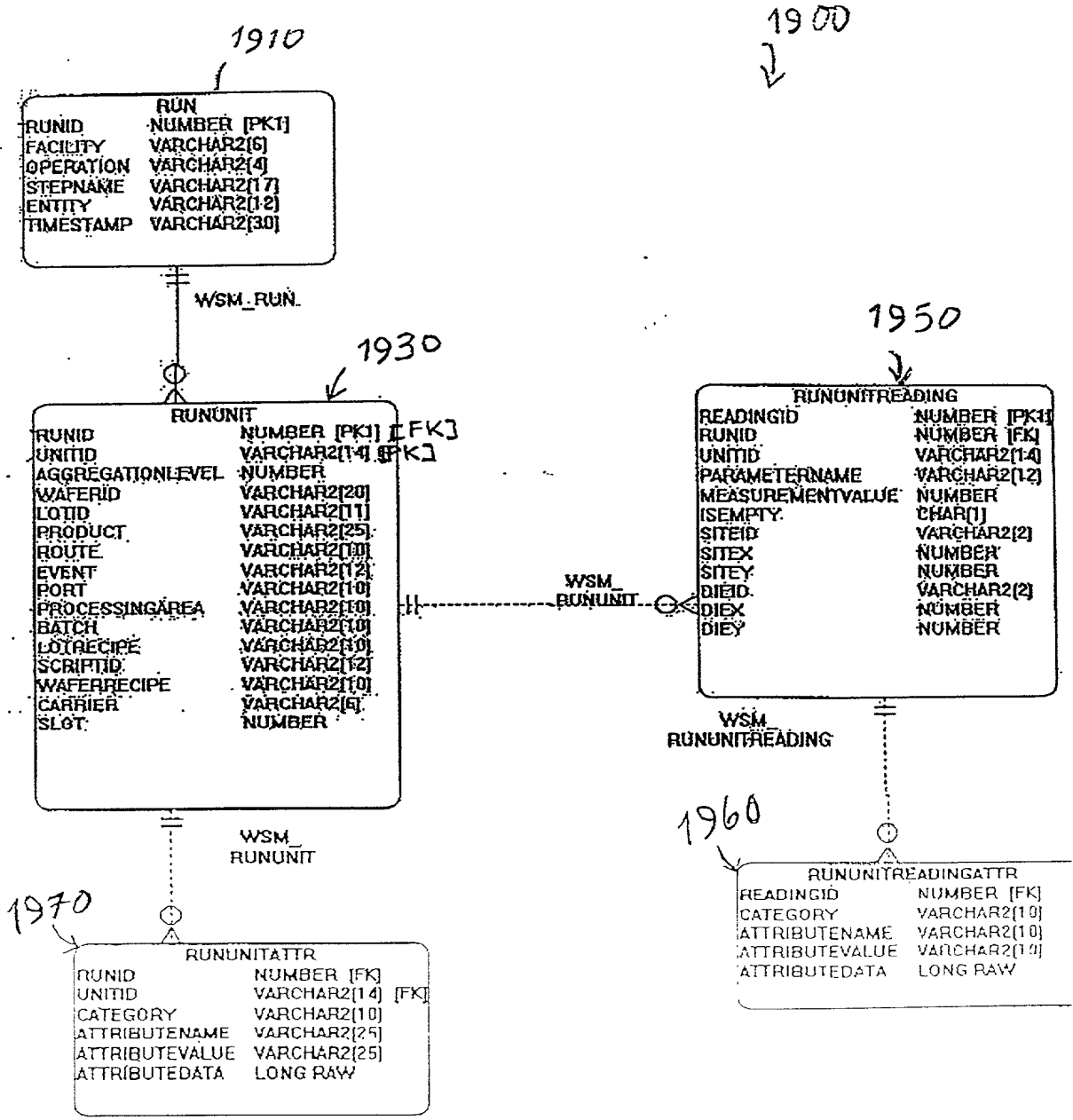


FIG. 19

FIG. 20

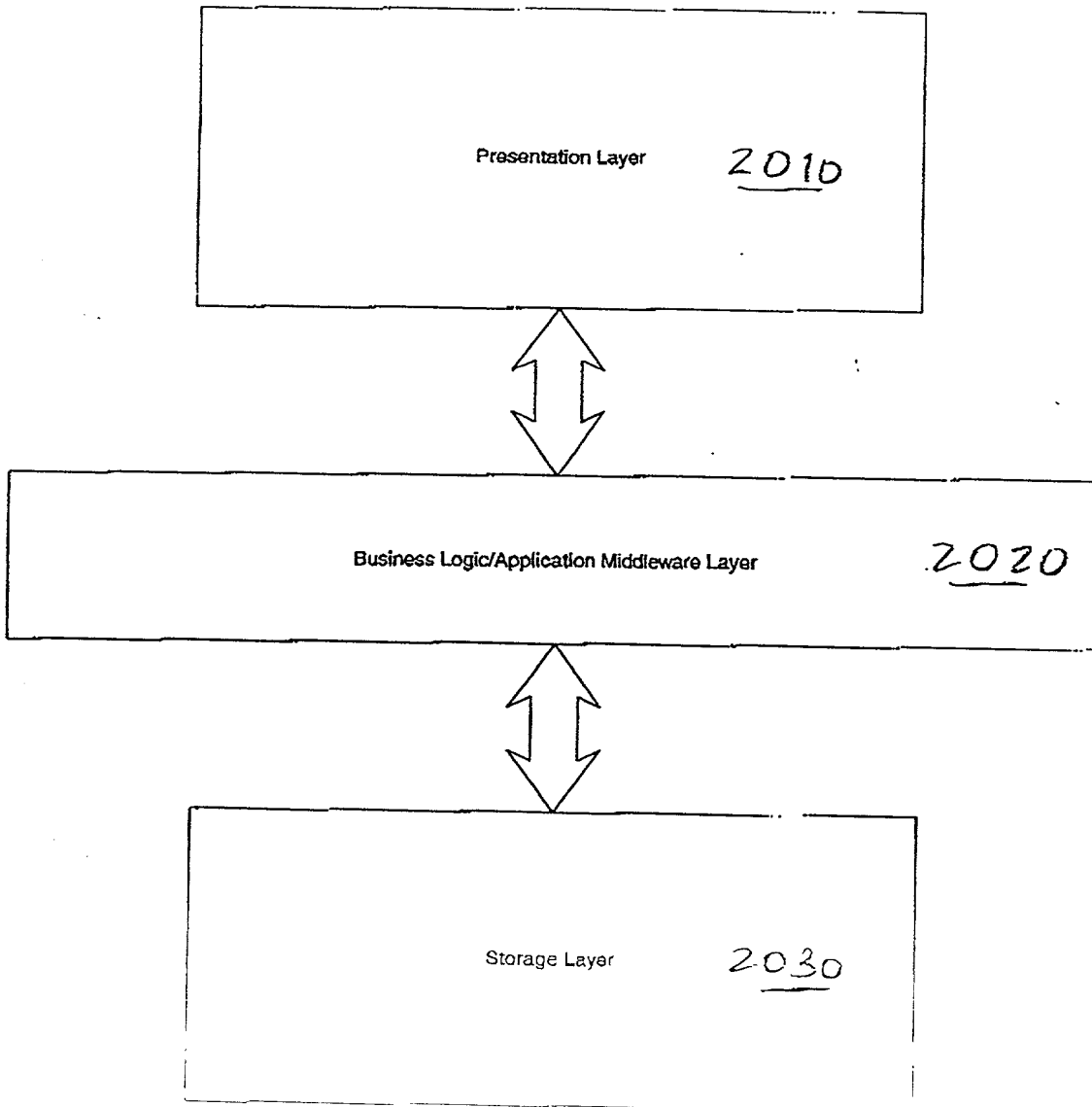


FIG. 20

2010 2020 2030